



2-4-04

PTO/SB/21 (08-03)

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TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/708001	
	Filing Date	31 January 2004	
	First Named Inventor	Ju Young Kim	
	Art Unit		
	Examiner Name		
Total Number of Pages in This Submission	5++	Attorney Docket Number	KIM-001USP

ENCLOSURES (Check all that apply)		
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<input type="checkbox"/> Response to Missing Parts/Incomplete Application	Remarks 1. Certified copy of priority document, Korean application KR20030064186, and english translation of same. 2. Supplemental IDS with non-US patent references (4 pgs) and copies of references.	
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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Patricia Smith King
Signature	<i>Patricia Smith King</i>
Date	2 February 2004

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Complete if Known

Application Number	10/708001
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Filing Date	31 January 2004
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First Named Inventor	Ju Young Kim
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Art Unit

Examiner Name

Attorney Docket Number	KIM-001USP
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Sheet	1	of	4
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U. S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

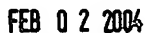
FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ *Number ⁴ *Kind Code ⁵ (if known)	MM-DD-YYYY			
	1	DT 24 27 425 A1	06-09-1973	Yuken		
	2	DT 27 08 974 A1	03-04-1976	Dev Finance Crp		
	3	DD 270 704 A1	04-18-1988	Akad Wiss DDR		
	4	DD 286 805 A5	08-11-1989	VEB Funka Kopen		
	5	J5 7019 -98	07-07-1980	Ebara Infilco		
	6	JP363023934A	02-01-1988	Toyo Roshi		

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91

4

Application Number

10/708001

Filing Date

31 January 2004

First Named Inventor

Ju Young Kim

Art Unit

Examiner Name _____

Attorney Docket Number

KIM-001USP

U. S. PATENT DOCUMENTS

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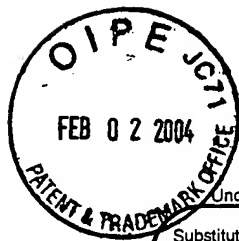
FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ *Number ⁴ *Kind Code ⁵ (if known)				
	7	JO 3114 587 A	05-15-1991	Nishihara		
	8	JA 0115543	09-08-1979	Hitachi		
	9	JA 0084355	07-25-1978	Daido Seiko		
	10	JO 3008-495-A	01-16-1991	Kanatsu Giken		

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		Application Number	10/708001
		Filing Date	31 January 2004
		First Named Inventor	Ju Young Kim
		Art Unit	
Examiner Name			
Sheet 3	of 4	Attorney Docket Number	KIM-001USP

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	11	UNNITHAN et al., Ability of Iron (III)-loaded carboxylated polyacrylamide-grafted sawdust to remove phosphate ions from aqueous solution and fertilizer industry wastewater: adsorption kinetics and isotherm studies. J. Applied Polymer Science, Vol. 84, 2541-2553 (2002).	
	12	WIGGINTON and LENHART, Using iron-infused media and stormfilter technology for the removal of dissolved phosphorus from stormwater discharges. Unpublished manuscript.	
	13	STORMWATER INC. brochure entitled, Storm Filter.	
	14	URANO et al., Process development for removal and recovery of phosphorus from wastewater by a new adsorbent. 1. preparation method and adsorption capability of a new adsorbent. Ind. Eng. Chem. Res. 1991, 30:1893-1896.	
	15	URANO et al., Process development for removal and recovery of phosphorus from wastewater by a new adsorbent. 3. Desorption of phosphate and regeneration of adsorbent. Ind. Eng. Chem. Res. 1992, 31:1510-1513.	
	16	URANO et al., Process development for removal and recovery of phosphorus from wastewater by a new adsorbent. 4. Recovery of phosphate and aluminum from desorbing solution. Ind. Eng. Chem. Res. 1992, 31:1513-1515.	
	17	BAKER et al., Laboratory development of permeable reactive mixtures for the removal of phosphorus from onsite wastewater disposal systems. Environ. Sci. Technol. 1998 32: 2308-2316.	
	18	MUNOZ et al., Arsenic adsorption by Fe(III)-loaded open-celled cellulose sponges. Thermodynamic and selectivity aspects. Environ. Sci. Technol. 2002 36:3405-3411.	
	19	SUVASIS et al., Coparison of arsenic (V) and arsenic (III) sorption onto iron oxide minerals: implications for arsenic mobility. Environ. Sci. Technol. 2003, 37: 4182-4189.	
	20	MYERS et al., Iron oxide sink method for extracting soil phosphorus: paper preparation and use. Soil Sci. Soc. Am. J. 61: 1400-1407 (1997).	

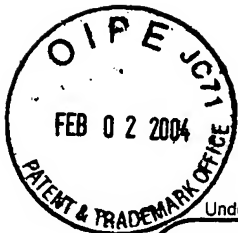
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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Complete if Known

Application Number	10/708001
Filing Date	31 January 2004
First Named Inventor	Ju Young Kim
Art Unit	
Examiner Name	
Attorney Docket Number	KIM-001USP

Sheet	4	of	4
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NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	21	URANO et al., Process development for removal and recovery of phosphorus from wastewater by a new adsorbent. 1. preparation method and adsorption capability of a new adsorbent. Ind. Eng. Chem. Res. 1991, 30: 1893-1896.	
	22	DEAE-DEXTRAN, data file from Amersham Biosciences. df 18-1151-76 AA, 2001-11, pp 1-4.	

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